

Fig. 1

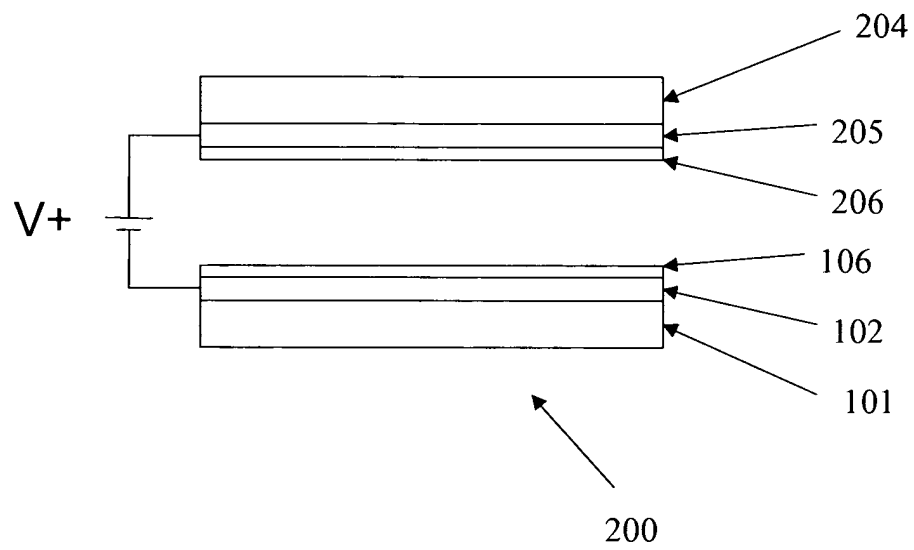


Fig. 2

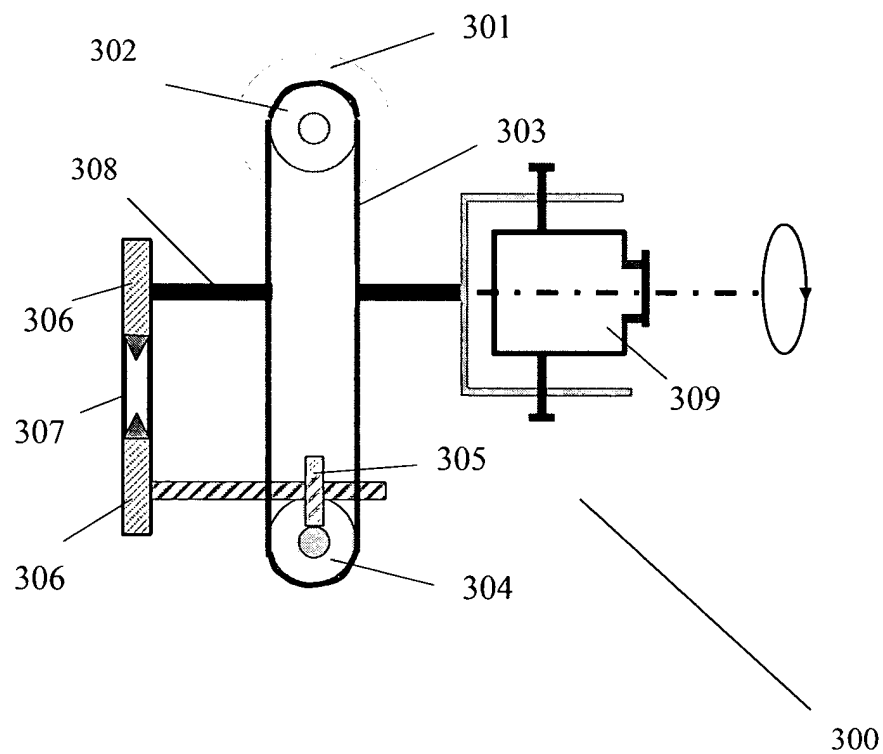


Fig. 3

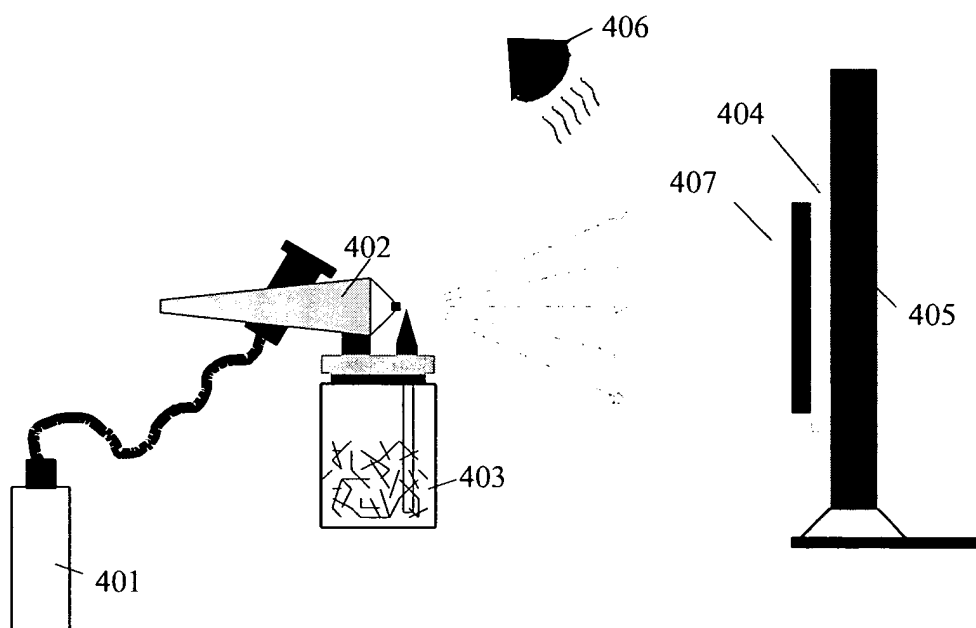


Fig. 4

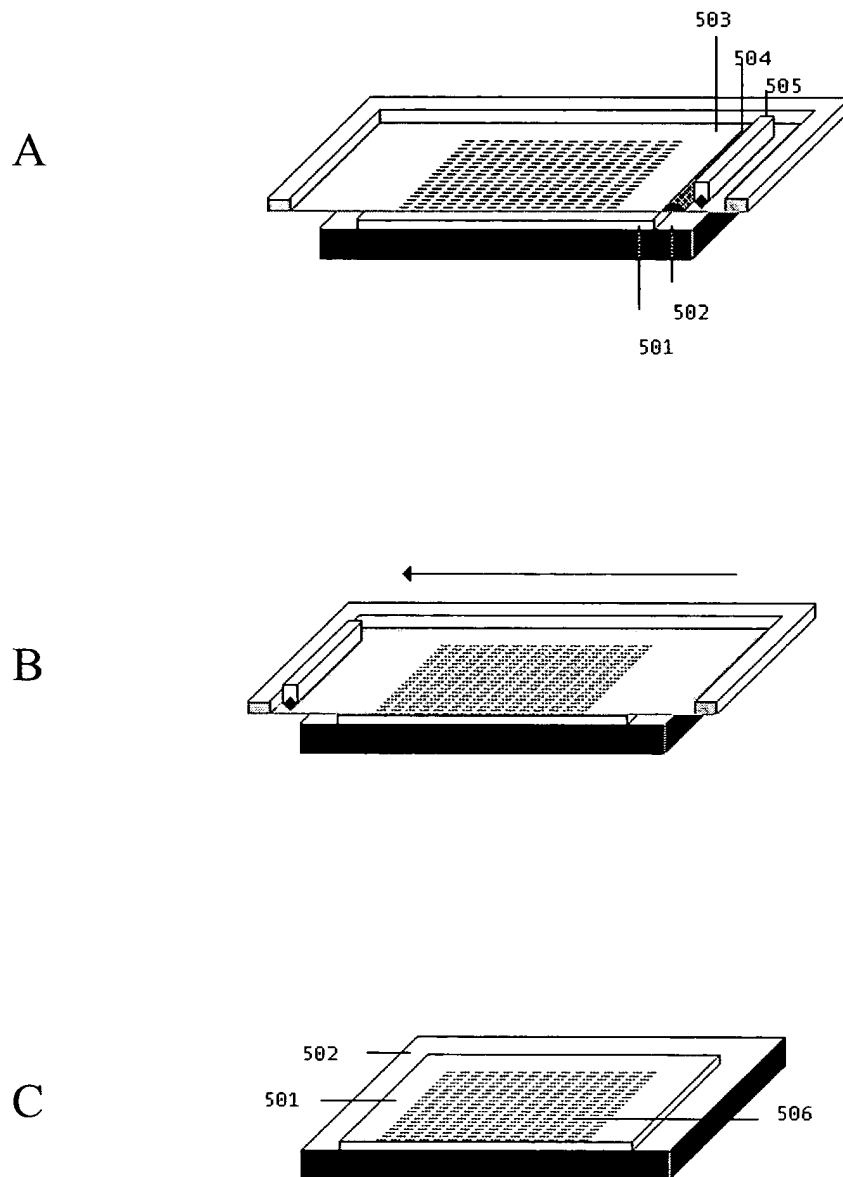


Fig. 5

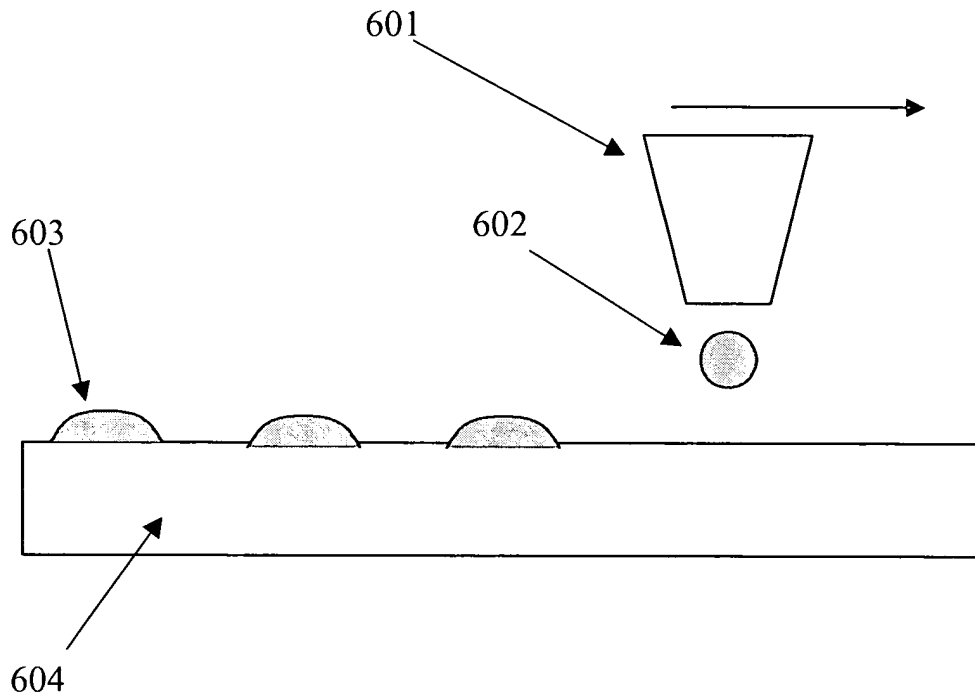


Fig. 6

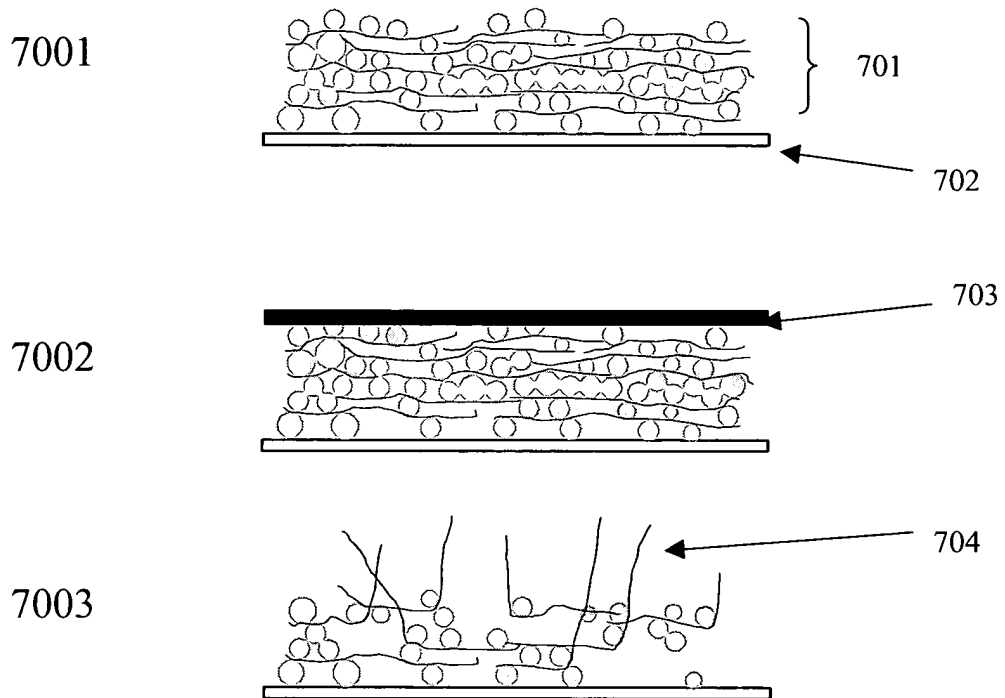
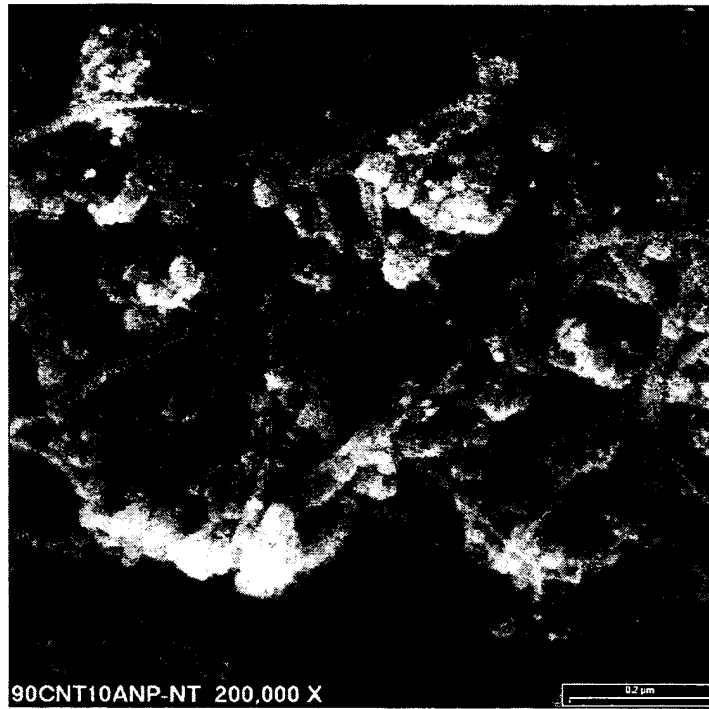


Fig. 7

A



B

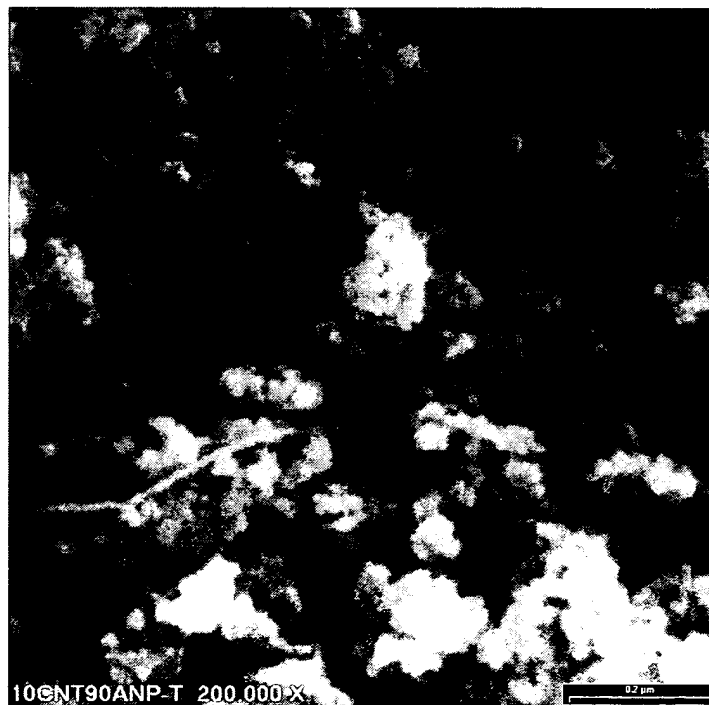


Fig. 8

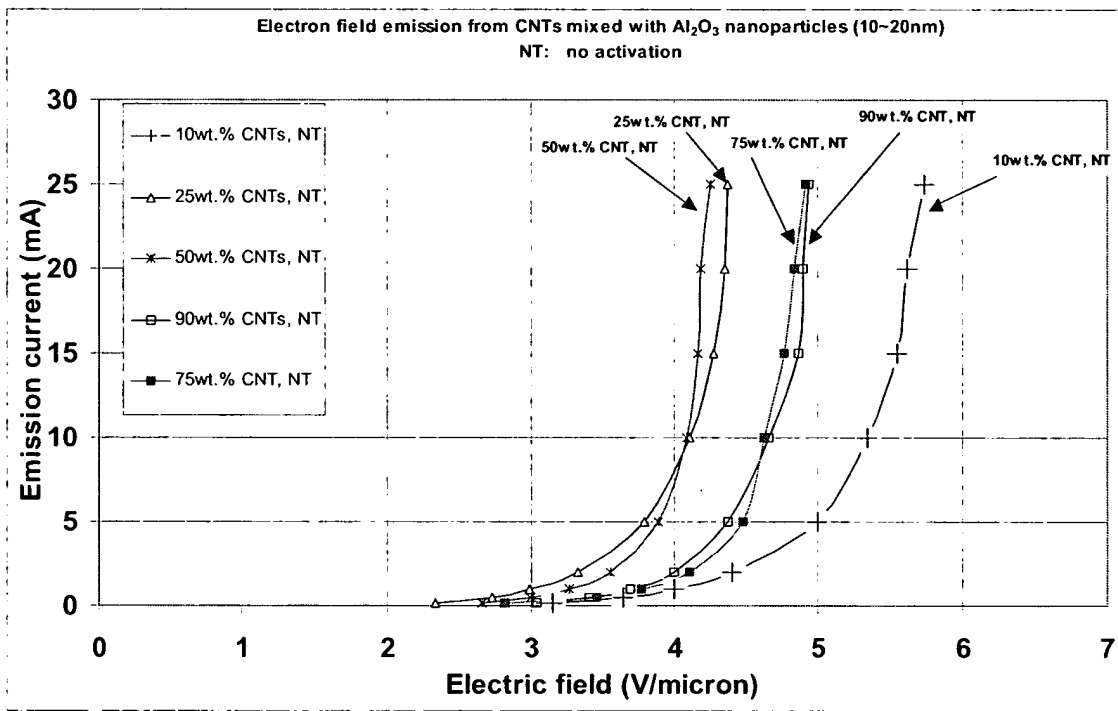


Fig. 9

Electric field vs CNTs concentration mixed with Al_2O_3 nanoparticles at
emission current of 25mA ($6.25\text{mA}/\text{cm}^2$): No activation process

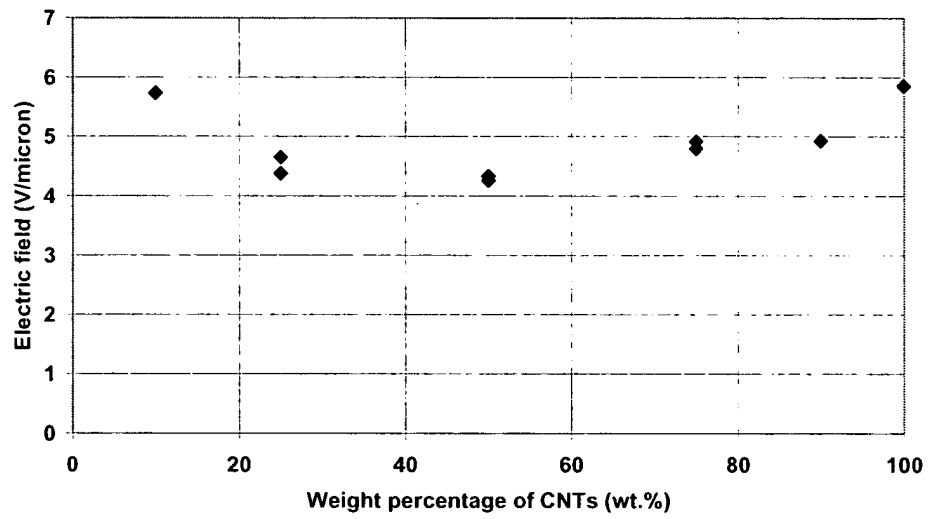


Fig. 10

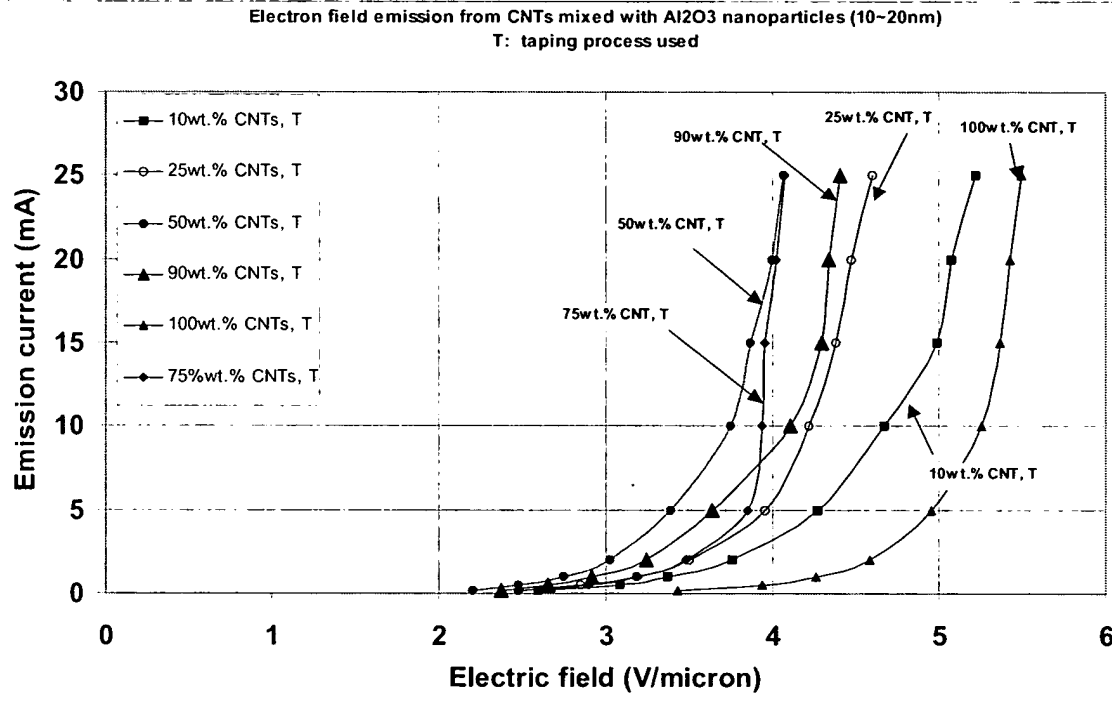


Fig. 11

Electric field vs CNTs concentration mixed with Al_2O_3 nanoparticles at
emission current of 25mA ($6.25\text{mA}/\text{cm}^2$): Activation process

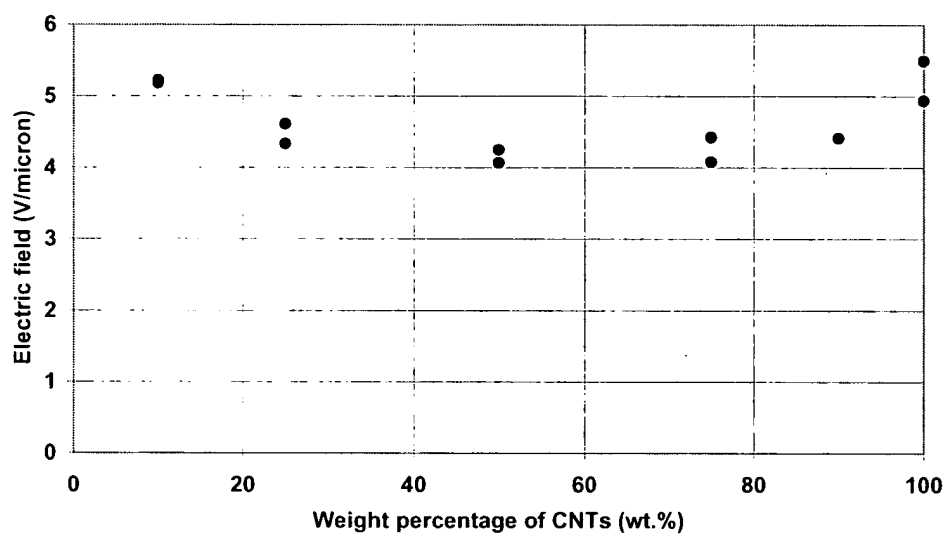


Fig. 12

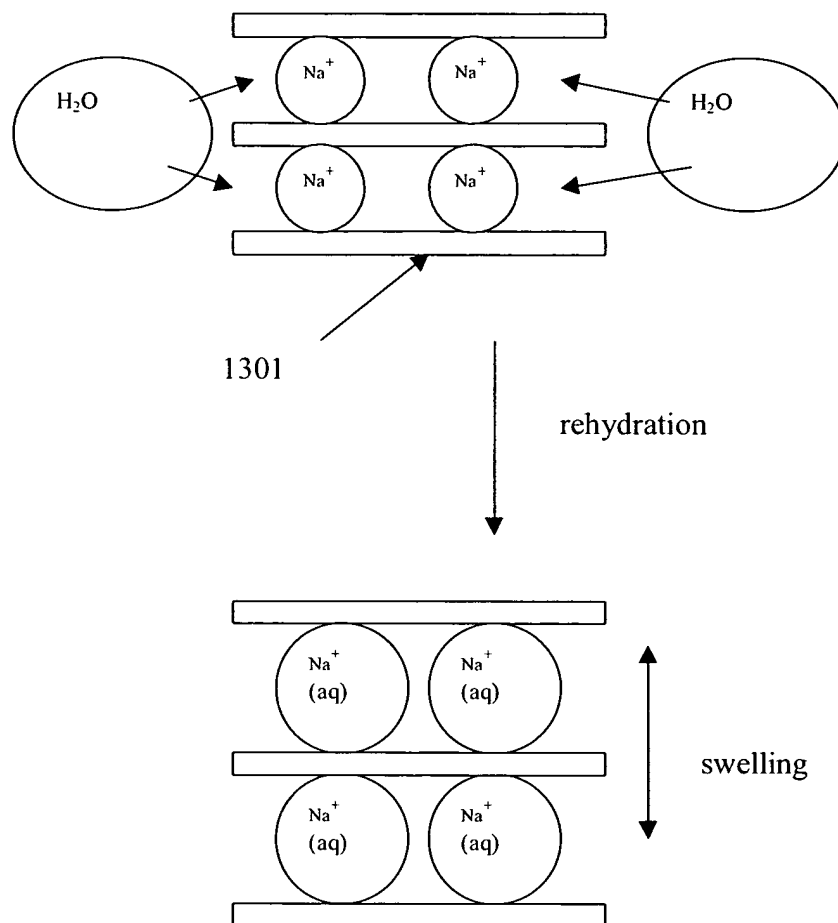


Fig. 13

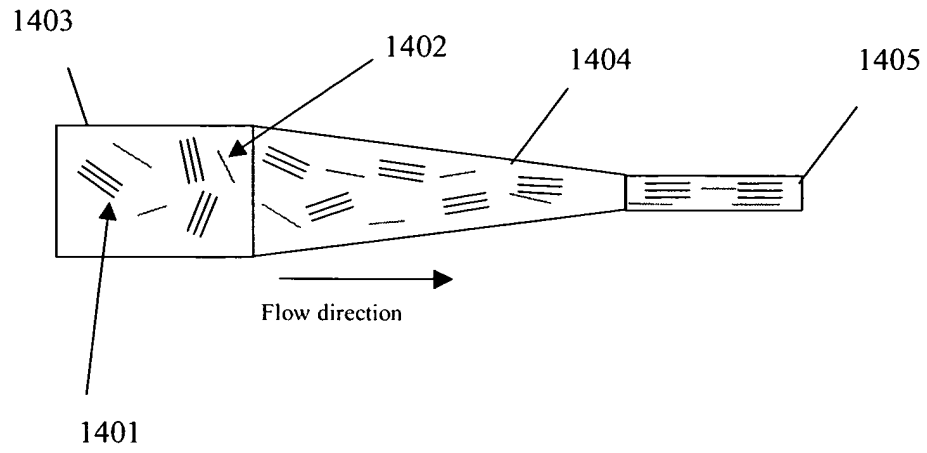


Fig. 14

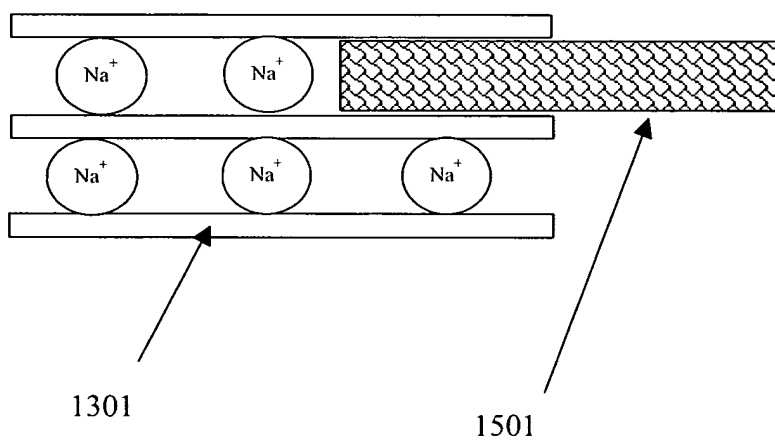


Fig. 15

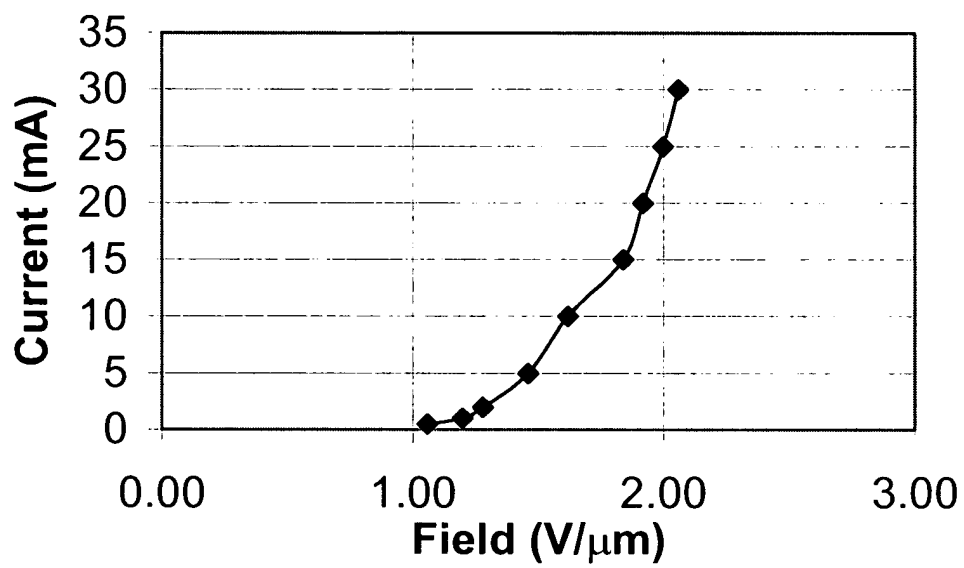


Fig. 16

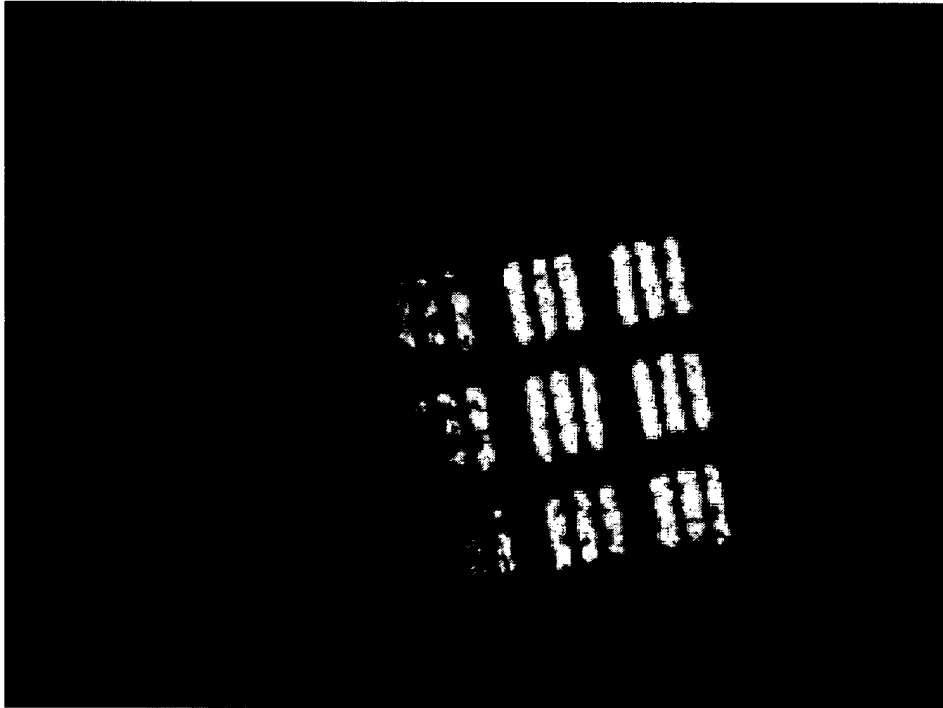


Fig. 17

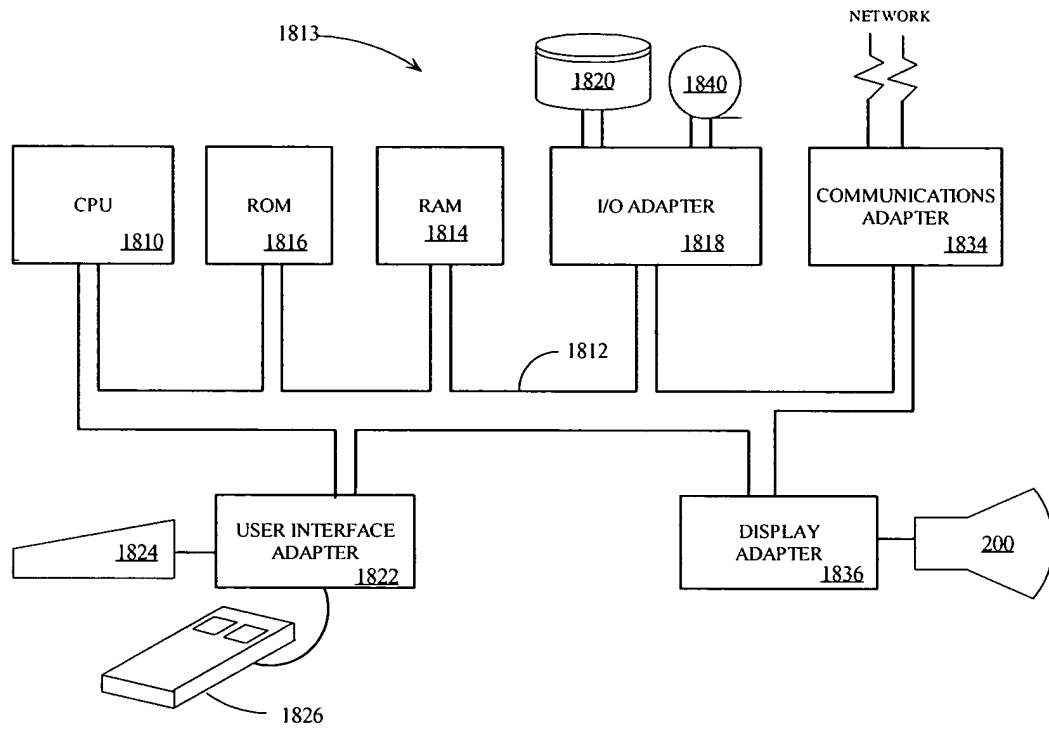


Fig. 18